Abstract of the Disclosure

A rocket motor case includes a plurality of plank sections which provide a structural key for locking metal and/or composite end enclosures in place as part of the motor case. The plank sections are sized longitudinally to form venting spaces in the motor case sidewall to allow passive venting in the event of propellant ignition during cook-off. The plank sections have plank legs which are surrounded by tailorable roll-bonded sheet material to complete formation of the motor case sidewall.